

INTERNATIONAL SEARCH REPORT

In ☐ national Application No
PCT/IB 03/04358A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A62B1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A62B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 037 685 A (TALUCCI ANTHONY) 26 July 1977 (1977-07-26) the whole document -----	1,3,4,7, 16,17, 19,22-24
X	WO 92/03189 A (NEHAILI GHASSAN) 5 March 1992 (1992-03-05) the whole document -----	28
X	US 4 681 186 A (HUSTON JON ET AL) 21 July 1987 (1987-07-21) the whole document -----	28
A	DE 198 48 106 A (FISCHER PATRICK) 12 May 1999 (1999-05-12) the whole document -----	1-28

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *G* document member of the same patent family

Date of the actual completion of the international search

14 April 2004

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4037685	A	26-07-1977	NONE	
WO 9203189	A	05-03-1992	AU WO	8440791 A 9203189 A1
				17-03-1992 05-03-1992
US 4681186	A	21-07-1987	AU BR EP ES JP ZA	6383086 A 8603207 A 0219662 A1 296889 U 62094179 A 8607818 A
				16-04-1987 02-06-1987 29-04-1987 01-03-1988 30-04-1987 26-08-1987
DE 19848106	A	12-05-1999	DE	19848106 A1
				12-05-1999